

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of

1

**Complete if Known**

Application Number	10/677711
Filing Date	10-2-03
First Named Inventor	Norman W. Gavin
Art Unit	3679
Examiner Name	NICHOLSON
Attorney Docket Number	GNW431

**U. S. PATENT DOCUMENTS Also See FDS Letter**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AM		US- 3,195,932	07-20-1965	L. C. Morton	Col. 2, Lines 56-72, & Figs. 1, 2
AM		US- 3,749,424	07-31-1973	N. Greene	Col. 2 line 37-Col. 3, L2; Col. 3, Ls. 29-41; Figs. 1, 2
AM		US- 4,234,218	11-18-1980	A. G. Rogers	Col. 4, L. 62-Col. 5, L37, & Fig. 3
AM		US- 5,129,684	07-14-1992	Lawrence et al.	Col. 2, L61-Col. 3, L62 & Figs. 1-4
AM		US- 5,456,499	10-10-1995	C. Sharpe	Col. 2, L40-Col. 3, L20, & Fig. 1, 2
AM		US- 3,531,142	09-29-1970	J. A. Peasley	
		US- 4,332,393	06-01-1982	C. Cuddehe	
		US- 4,613,169	09-23-1986	J. Ungert	
		US- 5,467,567	10-19-1999	D. P. Nordstrom	
		US- 5,971,444	10-26-1999	B. C. Hawkins	
		US- 5,882,014	03-16-1999	N. W. Gavin	
		US- 4,805,920	02-21-1989	N. W. Gavin	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>

Examiner  
SignatureDate  
Considered

7/9/04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Best Available Copy